

CITY OF HOUSTON
FINANCE DEPARTMENT
Strategic Procurement Division

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September 22, 2015

Subject: Letter of Clarification No. 1
SYNTHETIC OILS AND LUBRICANTS FOR THE DEPARTMENT OF PUBLIC
WORKS & ENGINEERING

Reference: Invitation to Bid (ITB) No.: S40-S25516

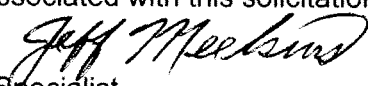
To All Prospective Bidders:


This Letter of Clarification is issued for the following reason:

- To revise the above referenced solicitation as follows:
 1. In section B, **replace** "page 7 of 19, with attached page 7 of 19 marked revised September 22, 2015."
 2. In the Technical Specifications, **replace** "page 35 with attached page 35 marked revised September 22, 2015."
 3. To **amend** the e-bid document for the advertisement.
 4. To **add** the attached five pages of Technical Specifications; 18a, 34a, 34b, 34c, and 35a.
- Due to the aforementioned change(s) to the e-bidding items you may need to edit your bid. To do so, please select the "Bid Number" and proceed accordingly.

This Letter of Clarification will be considered part of the solicitation referenced above. All revisions, responses, and answers incorporated into the Letter(s) of Clarification are collaboratively from both the Strategic Procurement Division and the applicable City Department(s).

Furthermore, it is the responsibility of each BIDDER to obtain any previous Letter(s) of Clarification associated with this solicitation.

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JM:DRH:jm

Council Members: Brenda Stardig Jerry Davis Ellen R. Cohen Dwight A. Boykins Dave Martin Richard Nguyen Oliver Pennington Edward Gonzalez
Robert Gallegos Mike Laster Larry V. Green Stephen C. Costello David W. Robinson Michael Kubosh C.O. "Brad" Bradford Jack Christie
Controller: Ronald C. Green

TECHNICAL SPECIFICATIONS FOR SYNTHETIC OILS & LUBRICANTS FOR DEPARTMENT OF PUBLIC WORKS & ENGINEERING, CONTINUED:

1.0 PRICE ADJUSTMENT (CONTINUED):

- 1.3.3 If the City Purchasing Agent approves the price increase, he or she shall notify Supplier in writing; no price increase will be effective until Supplier receives this notice. If the City Purchasing Agent does not approve Supplier's price increase, Supplier may terminate its performance upon **sixty (60) days** advance written notice to the City Purchasing Agent. Termination of performance is Supplier's only remedy if the City Purchasing Agent does not approve the price increase.
- 1.3.4 If, at any time after approving a price increase, the City Purchasing Agent determines that the City can obtain the same item at a lower price from a different source without violating the State bid laws, the City may then purchase the item from the lower price source without any obligation to the Supplier.

2.0 EMPTY CONTAINER PICK UP

- 2.1 Supplier shall pick up their empty drums and totes from City facilities.
- 2.2 The supplier shall pick up empty 55 gallon drums and empty totes at the time of delivery/shipment to City facilities. The department will notify the supplier should any additional empty 55 gallon drums or empty totes need to be picked up. The supplier shall label or imprint on each drum or tote their company logo or company name and phone number. These services shall be provided at no additional cost to the City.

3.0 BULK DELIVERIES

The supplier shall deliver bulk order lubricants to be offloaded by the supplier from a tanker truck into the City's bulk storage tanks or totes. Wastewater operations have seven (7) lubrication work centers (LWC) with bulk tote storage. The LWC's have a total storage capacity of 480 gallons each, which consist of four 120 gallon totes. Bulk quantities will be received and invoiced by the gallon. For each bulk lubricant delivery, the City will require a minimum four ounce sample be provided in a labeled container. Bulk delivery samples will be tested to verify the material supplied.

4.0 OTHER LARGE QUANTITY DELIVERIES

Occasionally, when complete system oil changes of equipment are performed, such as the mixers at a wastewater facility, large quantities of 55 gallon drums (>2,000 gallons per location) will be required. The supplier will typically be given five to seven business days advance notification of such deliveries.

GROUP 7: TOTAL SYNTHETIC GEAR OILS (OR CITY APPROVED EQUAL)

Item No. 1, 2, & 3:

SYNTHETIC GEAR OIL, ISO GRADE 460

Shall meet the following minimum specifications

1.0 GENERAL:

- 1.1 It is the general intent of these specifications to describe a Synthetic Gear Oil which will be used in the Department of Public Works and Engineering Wastewater Treatment plants to provide effective lubrication to critical equipment (Clarifiers).
- 1.2 Manufacturer's Reference: TOTAL SYNOLAN PRO 1000 GEAR OIL ISO GRADE-460 or City approved equal.

2.0 PRODUCT DESCRIPTION:

- 2.1 Manufacturer: TOTAL LUBRICANTS
- 2.2 Product Number: SYNOLAN PRO 1000 ISO 460
- 2.3 Bulk Amount: 55 gallon drum, 5 gallon bucket/pail, or bulk delivery to city lubrication work centers
- 2.4 Grade: ISO 460
- 2.5 Operating Temps: -20 degrees F to 450 degrees F

3.0 SPECIFICATIONS:

- 3.1 API Gravity: 29.2
- 3.2 Flash Point: 465 degrees F
- 3.3 Viscosity Index: 124
- 3.4 Pour Point: -20 degrees F
- 3.5 AGMA Grade: 7
- 3.6 Synthetic polyalphaolefin (PAO) base oils

4.0 FEATURES:

- 4.1 Contains advanced formulas and anti-wear properties.
- 4.2 Contains low pour point and low temperature fluidity.
- 4.3 Contains high viscosity index for better anti-wear protection.
- 4.4 Contains a water shedding additive

5.0 APPLICATIONS:

- 5.1 Use for enclosed industrial gearboxes, bearings and circulating oil systems.
- 5.2 Use for equipment under heavy loads or low speeds.
- 5.3 Use for equipment with continuous operation.

TECHNICAL SPECIFICATIONS

GROUP 1: CHEVRON SYNTHETIC OILS AND LUBRICANTS (OR CITY APPROVED EQUAL)

DIESEL ENGINE OIL, SINGLE VISCOSITY – SAE 40

Shall meet the following minimum specifications:

1.0 GENERAL:

- 1.1 It is the general intent of these specifications to describe a **Conventional** Diesel Engine Oil which will be used in the Public Works and Engineering Department Drinking Water Treatment plants to provide effective lubrication to two-stroke diesel engine powered generators at Groundwater Plants and Wells.
- 1.2 Manufacturer's Reference: Chevron Delo 100 SAE 40 or City approved equal.

2.0 PRODUCT DESCRIPTION:

- 2.1 Make: Chevron Delo 100SAE 40
- 2.2 Product Code: 222404
- 2.3 Model: SAE40
- 2.4 Bulk Amount: 55 gallon drum

3.0 SPECIFICATIONS:

- 3.1 SAE Viscosity Grade: API CF, CF-2
- 3.2 Kinematic Viscosity @ 40 deg C cSt – 145
- 3.3 Kinematic Viscosity @ 100 deg C cSt – 15.0
- 3.4 Viscosity Index – 104
- 3.5 API Gravity – 27.7
- 3.6 Flash Point: 258 degrees C
- 3.7 Pour Point: -24 degrees C

4.0 FEATURES:

- 4.1 High performance oil for older diesel engines which require SAE40 monograde oil.
- 4.2 Meets diesel engine requirements from Detroit Diesel for two-stroke engines

5.0 APPLICATIONS:

- 5.1 Use for diesel powered emergency generators.

Revised September 22, 2015

(18a)

TECHNICAL SPECIFICATIONS

GROUP 6: SHELL SYNTHETIC OILS AND LUBRICANTS (OR CITY APPROVED EQUAL)

DIESEL ENGINE OIL, 15W-40

Shall meet the following minimum specifications:

1.0 GENERAL:

- 1.1 It is the general intent of these specifications to describe a **Conventional** Diesel Engine Oil which will be used in the Department of Public Works and Engineering Drinking Water Treatment plants to provide effective lubrication to diesel engine powered generators at both Surface Water Purification Plants and Groundwater Plants.
- 1.2 Manufacturer's Reference: Shell Rotella T3 Triple Protection 15W-40 or City approved equal.

2.0 PRODUCT DESCRIPTION:

- 2.1 Make: Shell Rotella T3 15W-40 CJ-4
- 2.2 Product Code: 001D5439
- 2.3 Model: 15W-40
- 2.4 Bulk Amount: 55 gallon drum

3.0 SPECIFICATIONS:

- 3.1 SAE Viscosity Grade: API CJ-4
- 3.2 Kinematic Viscosity @ 40 deg C mm²/s – 120
- 3.3 Kinematic Viscosity @ 100 deg C mm²/s – 15.5
- 3.4 Viscosity Index – 135
- 3.5 Density @15 deg C kg/l – 0.879
- 3.6 Flash Point: 280 degrees C
- 3.7 Pour Point: -30 degrees C

4.0 FEATURES:

- 4.1 Improved wear protection, shear stability, deposit control.
- 4.2 Protection for cold starts.
- 4.3 Meets diesel engine requirements from Cummins, Caterpillar, Detroit Diesel

5.0 APPLICATIONS:

- 5.1 Use for diesel powered emergency generators.

Revised September 22, 2015

(34a)

TECHNICAL SPECIFICATIONS

GROUP 6: SHELL SYNTHETIC OILS AND LUBRICANTS (OR CITY APPROVED EQUAL)

DIESEL FULLY SYNTHETIC ENGINE OIL, 5W-40

Shall meet the following minimum specifications:

1.0 GENERAL:

- 1.1 It is the general intent of these specifications to describe a Fully Synthetic Diesel Engine Oil which will be used in the Department of Public Works and Engineering Drinking Water Treatment plants to provide effective lubrication to diesel engine powered generators at both Surface Water Purification Plants and Groundwater Plants.
- 1.2 Manufacturer's Reference: Shell Rotella T6 5W-40 or City approved equal.

2.0 PRODUCT DESCRIPTION:

- 2.1 Make: Shell Rotella T6 5W-40 CJ-4
- 2.2 Product Code: 001D5438
- 2.3 Model: 15W-40
- 2.4 Bulk Amount: 55 gallon drum

3.0 SPECIFICATIONS:

- 3.1 SAE Viscosity Grade: API CJ-4
- 3.2 Kinematic Viscosity @ 40 deg C mm²/s – 87
- 3.3 Kinematic Viscosity @ 100 deg C mm²/s – 14.2
- 3.4 Dynamic Viscosity @ -30 deg C mPa s – 6000
- 3.5 Density @ 15 deg C kg/l – 0.858
- 3.6 Flash Point: 224 degrees C
- 3.7 Pour Point: -42 degrees C

4.0 FEATURES:

- 4.1 Improved fuel economy, wear performance, deposit control, heat resistance.
- 4.2 Protection in climate extremes.
- 4.3 Meets or exceeds diesel engine requirements from Cummins, Caterpillar, Detroit Diesel

5.0 APPLICATIONS:

- 5.1 Use for diesel powered emergency generators.

Revised September 22, 2015

(34b)

TECHNICAL SPECIFICATIONS

GROUP 6: SHELL SYNTHETIC OILS AND LUBRICANTS (OR CITY APPROVED EQUAL)

DIESEL ENGINE EXTENDED LIFE COOLANT (ELC) PRE-DILUTED 60/40

Shall meet the following minimum specifications:

1.0 GENERAL:

1.1 It is the general intent of these specifications to describe an Extended Life Coolant which will be used in the Department of Public Works and Engineering Drinking Water Treatment plants to provide effective coolant for diesel engine powered generators at both Surface Water Purification Plants and Groundwater Plants.

1.2 Manufacturer's Reference: Shell Rotella ELC Pre-diluted 60/40 or City approved equal.

2.0 PRODUCT DESCRIPTION:

2.1 Make: Shell Rotella ELC Pre-diluted 60/40

2.2 Product Code: 94065

2.3 Bulk Amount: 55 gallon drum

3.0 SPECIFICATIONS:

3.1 Appearance - Red

3.2 Specific Gravity – 1.07

3.3 Freezing Point (as sold) -62 degrees F

3.4 pH (as sold) – 8.3

3.5 Reserve Alkalinity (as sold) – 3.5

3.6 Silicate % - None

4.0 FEATURES:

4.1 Minimum coolant life of 600,000 miles/12,000 hours

4.2 No regular SCA's required

4.3 Compatible with conventional coolants (up to 15% dilution)

4.4 Can be used to top-off systems utilizing conventional coolants.

5.0 APPLICATIONS:

5.1 Use for diesel powered emergency generators.

Revised September 22, 2015

(34c)

Group 7, Item No. 4:

SYNTHETIC GEAR OIL, ISO GRADE 220, EP

Shall meet the following minimum specifications

1.0 GENERAL:

- 1.1 It is the general intent of these specifications to describe a Synthetic Gear Oil which will be used in the Department of Public Works and Engineering Wastewater Treatment plants to provide effective lubrication to critical equipment (Clarifiers).
- 1.2 Manufacturer's Reference: TOTAL CARTER ST NA ISO GRADE 220 or City approved equal.

2.0 PRODUCT DESCRIPTION:

- 2.1 Manufacturer: TOTAL LUBRICANTS
- 2.2 Product Number: TOTAL CARTER ST NA ISO GRADE 220
- 2.3 Bulk Amount: 55 GALLON DRUMS
- 2.4 Grade: ISO 220

3.0 SPECIFICATIONS:

- 3.1 API Gravity: 27.0
- 3.2 Flash Point: 500 degrees F
- 3.3 Viscosity Index: >95
- 3.4 Pour Point: 5 degrees F
- 3.5 AGMA Grade: 5 EP

4.0 FEATURES:

- 4.1 Contains advanced formulas and anti-wear properties.
- 4.2 Contains low pour point and low temperature fluidity.
- 4.3 Contains high viscosity index for better anti-wear protection.
- 4.4 Contains a water shedding additive

5.0 APPLICATIONS:

- 5.1 Use for enclosed industrial gearboxes, bearings and circulating oil systems.
- 5.2 Use for equipment under heavy loads or low speeds.
- 5.3 Use for equipment with continuous operation.